

## LMP-1002G-10G-SFP

10-Port Industrial PoE+ Light Layer 3 Managed Ethernet Switch, with 8\*10/100/1000Tx (30W/Port) and 2\*1G/10G SFP+ Slots







#### **Features**

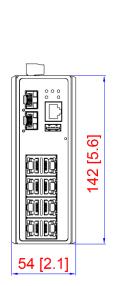
- Supports 8\*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port
- ► Supports 2\*1G/10G SFP+ Slots
- ► Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ► Supports IPv4/IPv6, and DHCP Option 66/67/82
- ► Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ IGMP v1/v2 for Multicast Traffic Filtering
- ► IEEE802.1Q VLAN for Easy Network Planning
- ► Power Input: 48~55VDC in 6-Pin Terminal Block
- ► Reverse Polarity Protection
- ► IP30 Protection
- ► DIN-Rail or Wall Mountable
- Operating Temperature Range STD: -40° to 60°C
- ► 5-Year Warranty

#### INTRODUCTION

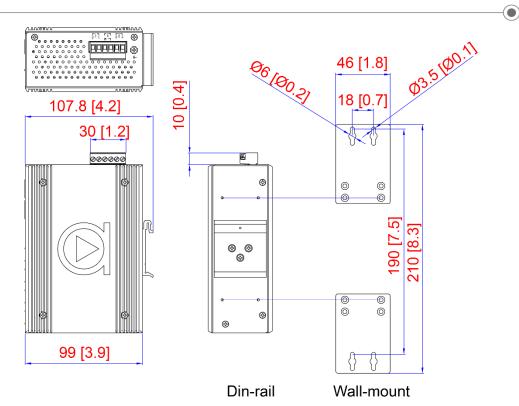
Antaira Technologies' LMP-1002G-10G-SFP is a 10-port industrial gigabit managed Ethernet switch that is embedded with eight PoE+ gigabit Ethernet ports and two dual rates (1G/10G) SFP+ slots for fiber connection. This is a fully manageable industrial Ethernet switch pre-loaded with standard light layer 3 network management software. It supports jumbo frame and wide bandwidth for data transmission and has sufficient port counts for edge-level connectivity solutions.

The LMP-1002G-10G-SFP has a compact form factor design with an IP30 rating, DIN-rail mounting, and standard operating temperature support from -40°C to 60°C. It also provides high EFT and ESD protection for any industrial networking application within factory automation, ITS, power/utility, water/wastewater, or any other outdoor or harsh environment. The two 10 gig SFP+ ports deliver high bandwidth support to applications requiring greater speeds of connectivity.

#### **DIMENSIONS**



Unit: mm (inch)





# SPECIFICATIONS

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Technology	1555 000 0 10D T 51
Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.3ae 10 Gigabit Ethernet IEEE 802.3af/at Power over Ethernet IEEE 802.3x Flow Control IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ITU-T G.8032 / Y.1344 ERPS v1/v2(Ethernet Ring Protection Switch) IEEE 802.1Q Virtual Local Area Network (VLAN) IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization IEEE 802.1X Network Authentication IEEE 802.1AB Link Layer Discovery Protocol (LLDP) IEEE 802.3ad Link Aggregation (LACP)
Switch Properties	TEEE GOE.GOO EINIK Niggi ogallon (E. (Gr.)
Switch Architecture	Back-Plane (Switching Fabric): 56Gbps
Protocols	IPv4/IPv6, SNMP v1/v2c/v3, LLDP, LLDP-MED, HTTP, HTTPS, SSHv2 telnet, DHCP client, DHCPv6 client, DHCP server, Port Mirror, DNS client/proxy, IP based Access Filter, ICMPv6, syslog, Time Zone /Daylight Saving, NTP client, RMON, sFlow, Loop detection, Console Port, Power Lost Warning, Relay Trigger
Processing Type	Store and Forward
	IEEE 802.3x for full duplex mode, back
Flow Control	pressure for half duplex mode
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port 14,880,000pps for 10 Gigabit Ethernet Port
Packet Buffer	8Mbits
Jumbo Frame	9.6Kbytes
MAC Table Size	16K
VLAN Group	4095
IGMP Group	1024
Port Interface	
Ethernet Port	8*10/100/1000BaseTx (30W/Port) Auto Negotiation Speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	2*1G/10G SFP+ slots
Wavelength	Depends on SFP modules
RS232 Serial	1*RS232 in RJ45 connector with console cable,
Console	baud rate 115.2Kbps, 8, N, 1
Configuration Backup	1*USB 2.0

Overload Current Protection Reverse Polarity Protection  Reverse Polarity Protection  Network Cable  Mechanical Characteristics Housing Dimensions  Meight  Mounting  Power Requirement Input Voltage Power Consumption Environmental Limits  Operating Temperature Storage Temperature Ambient Relative Humidity Regulatory Approvals EMI  EMS  IEC61000-6-2,4 Free Fall IEC60068-2-32 Shock Versur As 100-0 mm (100m)  Power Condition Present Input Voltage Present Input Voltage Present Input Voltage Power Consumption IEC60068-2-26 Green RoHS Compliant Certifications FCC, CE, UL 61010-1, 2-201 (Pending) Warranty Versur Present Input Glow-Blow-Fuses IEC61000-4-2, 3, 4, 5, 6, 8 IEC61001-1, 2-201 (Pending) Warranty FCC, CE, UL 61010-1, 2-201 (Pending) Warranty STP: -40°C to E00000000000000000000000000000000000	Drataation		
Protection Reverse Polarity Protection  Reverse Polarity Protection  Present  10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000Base-TX: 4-pair UTP/STP Cat. 5/5E cable; EIA/TIA-568 100-ohm (100m)  Mechanical Characteristics  Housing Metal, IP30 Protection  Dimensions 54 x 142 x 99 mm  Weight Shipping: 2.95lbs  Mounting DIN-Rail, Wall-mount (Optional)  Power Requirement  Input Voltage 48-55VDC Redundant Power Inputs  Power Connection 1 Removable 6-Contact Terminal Block  Power Consumption 15.5W  Environmental Limits  Operating Temperature  Storage Temperature  Ambient Relative Humidity  Regulatory Approvals  EMI FCC Class A  EMS IEC61000-4-2,3,4,5,6,8 IEC61000-6-2,4  Free Fall IEC60068-2-32  Shock IEC60068-2-32  Vibration IEC60068-2-6  Green RoHS Compliant  Certifications  FCC, CE, UL 61010-1, 2-201 (Pending)	Protection		
Network Cable	Protection	Present (Slow-Blow Fuse)	
Network Cable  Cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m) 1000Base-TX: 4-pair UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)  Mechanical Characteristics  Housing Metal, IP30 Protection  Dimensions 54 x 142 x 99 mm  Weight Unit: 2.29lbs Shipping: 2.95lbs  Mounting DIN-Rail, Wall-mount (Optional)  Power Requirement  Input Voltage 48-55VDC Redundant Power Inputs  Power Connection 1 Removable 6-Contact Terminal Block  Power Consumption 15.5W  Environmental Limits  Operating Temperature -40°C to 60°C  Storage Temperature -40°C to 85°C  Ambient Relative Humidity  Regulatory Approvals  EMI FCC Class A  EMS IEC61000-6-2,4  Free Fall IEC60068-2-32  Shock IEC60068-2-27  Vibration IEC60068-2-6  Green RoHS Compliant  Certifications FCC, CE, UL 61010-1, 2-201 (Pending)		Present	
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Temperature	Environmental Limits		
Ambient Relative Humidity         5% to 95%, (non-condensing)           Regulatory Approvals         FCC Class A           EMS         IEC61000-4-2,3,4,5,6,8 IEC61000-6-2,4           Free Fall         IEC60068-2-32           Shock         IEC60068-2-27           Vibration         IEC60068-2-6           Green         RoHS Compliant           Certifications         FCC, CE, UL 61010-1, 2-201 (Pending)		STD: -40°C to 60°C	
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EMS		FCC Class A	
Shock         IEC60068-2-27           Vibration         IEC60068-2-6           Green         RoHS Compliant           Certifications         FCC, CE, UL 61010-1, 2-201 (Pending)	EMS		
VibrationIEC60068-2-6GreenRoHS CompliantCertificationsFCC, CE, UL 61010-1, 2-201 (Pending)		IEC60068-2-32	
Green RoHS Compliant Certifications FCC, CE, UL 61010-1, 2-201 (Pending)			
Certifications FCC, CE, UL 61010-1, 2-201 (Pending)	Vibration		
Warranty 5 Years		, , , , , , , , , , , , , , , , , , , ,	
	Warranty	5 Years	

### **ORDERING INFO**

LMP-1002G-10G-SFP

10-Port Industrial PoE+ Light Layer 3 Gigabit Managed Ethernet Switch, with 8\*10/100/1000Tx (30W/Port) and 2\*1G/10G SFP+ Slots



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